



ILLINOIS

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

PRODUCTION NOTE

University of Illinois at
Urbana-Champaign Library
Large-scale Digitization Project, 2007.

639.107773

IL5

1981

JOB COMPLETION REPORT
SURVEYS AND INVESTIGATIONS PROJECTS
as required by
Federal Aid in Wildlife Restoration Act
Illinois

Federal Aid Project No. W-49-R-27
Study XV: Wildlife Harvests
Job No. 1: Hunter Harvest Survey, 1980



by

Jack A. Ellis

David Kenney, Director
Illinois Department of Conservation

Glenn Harper, Associate Director
Bureau of Natural Resources

Mike Conlin, Chief
Div. of Fish and Wildlife

September 1, 1981

Permission to Quote

This report contains tentative or preliminary findings, and as such, subject to future revisions. Persons wishing to quote from this report or to use it in other forms should first obtain permission from the Project Leader or the Chief of the Division of Fish and Wildlife Resources, Illinois Department of Conservation.

Printed by authority of the State of Illinois

The Department of Conservation is an equal opportunity employer.

500M-9-81

JOB COMPLETION REPORT
SURVEYS AND INVESTIGATION PROJECTS

STATE OF ILLINOIS

PROJECT NO. : W-49-R(28) STUDY XV JOB NO. 1

OBJECTIVE: To collect information on the annual resident hunter harvest of upland wildlife species and furbearers in Illinois and associated hunter characteristics.

ABSTRACT: From a sample of 332,500 purchasers of resident hunting and combination fishing and hunting licenses 4,591 were selected to obtain information on hunting activities for 16 kinds of wildlife in 1980. A total of 3,657 useable responses were received. These data were used to project estimates of harvest and hunting effort for the species sampled. The distribution of hunting effort and success for Wildlife Management Unit and by Administrative Region are presented. In general the harvest of upland wildlife species was greater in 1980 than in 1979. Declines in harvest from the previous year (1979) were noted for ducks, raccoons and red fox. Significant increases were noted in the harvest of gray fox and coyotes in 1980 when compared with harvests of 1979. The survey indicated that most hunters took to the field five or fewer times and harvested five or fewer units of wildlife during the 1980 season. The ring-necked pheasant was listed as the most favorite kind of game to hunt by the participants in this survey.

PROCEDURES: Address cards were completed and mailed to the Department of Conservation by hunting license vendors or purchasers of resident hunting or combination hunting-fishing licenses for the 1980 series.

Because survey address cards were not submitted from some counties in proportion to the quantity of licenses sold, Department personnel collected 1,350 additional names and addresses of resident hunting license buyers from these counties. All address cards were numbered to correspond with the numbered questionnaire survey cards (Fig. 1). An initial mailing and two follow-up mailings to non-respondents were made with cover letters for each mailing (Figs. 2, 3 and 4).

The returned questionnaire cards were edited and county code numbers were added to indicate where the respondents

had hunted. Data from the cards were transferred to computer tape at the Coordinated Science Laboratory, University of Illinois, Urbana. Mr. David Spoor wrote the analysis program and provided the results in print-out forms. This print-out listed for the 16 species sampled, the number of hunters, the number of trips, the harvest, the mean harvest per hunter and its variance by county, wildlife management unit (Fig. 5) and administrative region (Fig. 6).

Confidence limits at the 95% level were calculated for the number of hunters, average season bag and harvest for the species sampled. Formulas used in these calculations were presented by G.F. Hubert, Jr. (Job Completion Report, Project W-49-R(24), Job 1, Hunter Mail Survey, 1976-77, 32 pp., 1977). Hubert used information found in Cochran (Sampling Techniques, 2nd ed., Wiley and Sons, New York. 413 pp. 1953) and Snedecar and Cochran (Statistical Methods, 6th ed., Iowa State University Press, Ames. 593 pp. 1967).

The formulas are:

- a. Number of hunters for a species, a binomial:

where N = total hunting license sales

$$\pm 2N \sqrt{\frac{pq}{n}}$$

n = number of licenses in sample

p = proportion of licensees in sample who hunted species

q = 1-p

- b. Mean season kill per hunter for a species:

$$\pm \frac{1.96 s}{\sqrt{n_1}}$$

s = standard deviation of mean kill per hunter

n₁ = number of licensees in sample who hunted the species

- c. Total harvest:

$$\pm 2N \frac{s}{\sqrt{n}}$$

FINDINGS AND ANALYSIS:

The 1980 Hunting Season

The 1980 hunting seasons and bag limits are shown in Table 1. With the exception of raccoons, seasons in 1980 were similar to those in 1979. The raccoon season began 5 days later (November 15) but was 20 days longer (January 13) in 1980 than in 1979.

The sale of resident hunting and combination fishing-hunting licenses for 1980 was estimated at 332,500 or 1.6 percent lower than 1979 (338,000). The cost of resident hunting and combination licenses remained the same in 1980 as in 1979.

The Hunter Harvest Survey

A total of 3,599 name-address cards were received from license vendors or buyers and were mailed survey questionnaire cards. A sample of 992 names were selected from the collected names and mailed questionnaire cards. Thus, the initial mailing on December 31, 1980, was 4,591. A second mailing of 2,313 was made on February 3, 1981 to non-respondents to the initial mailing. A third mailing of 1,320 questionnaires was made on March 4, 1981, to the non-respondents to the second mailing. The U.S. Post Office returned 129 letters as undeliverable. Thus, from a sample of 4,591 a total of 3,657 useable replies were received. Eighty-two percent of the license buyers contacted responded to the survey. An additional 42 survey cards were received that were unuseable or received too late, increasing the response rate to 83 percent.

Seventeen percent of the respondents indicated that they purchased licenses but did not hunt in 1980. In 1978 and 1979, 20 and 13 percent, respectively, of the license buyers indicated that they did not hunt.

The survey participants were asked to list their favorite kind of game (one kind only) to hunt. The results to this question are shown in Table 2. Pheasants, deer, rabbits, squirrels and quail were the top five favorites listed.

Fourteen percent of the respondents indicated that they had hunted outside of Illinois in 1980. Projecting this response rate to the total number of license buyers produces an estimate of 43,733 + 3,717 that hunted outside Illinois. In the 1979 survey, 11 percent of those sampled indicated they hunted outside of Illinois.

Harvest estimates and estimates of days afield for 16 species for the 1980 season are presented in Table 3. Confidence intervals at the 95 percent level for the estimated number of hunters, season bag and total harvest are presented in Table 4.

Summaries of estimated hunting effort and success for 16 wildlife species in the various wildlife management units are presented in tables 4-19. Percentage changes in harvests from 1979 to 1980 for 10 of the 16 species sampled for the wildlife management units are shown in Table 20. Summaries of hunting effort and success for the wildlife species surveyed is shown in Table 37. Most Illinois hunters hunted less than six times for any species and harvested five or fewer game birds or game mammals.

Harvest for most of the species surveyed since 1974 through 1980 are presented in Table 38. Upland populations continue to recover from the losses sustained during the three successive severe winters, 1976-78. Most upland species, however, have not attained the population levels exhibited prior to the onset of the severe weather.

RECOMMENDATIONS:

Mail surveys of hunting effort and success in Illinois provide indicators of annual trends in hunter interest and harvest for most of the game species. Since 1956 Illinois has conducted such surveys and the data became more valuable each year in assessing populations and interest among hunters. Such surveys should be continued, and if necessary, altered to meet management needs or modified to obtain more reliable estimates. In addition, the harvest survey will become an integral part of the Comprehensive Fish and Wildlife Plan for the Department of Conservation.

DATA AND REPORTS:

Original data and reports included in this completion report are on file in the Department of Conservation office, 129 North Kennedy Boulevard, Vandalia, IL 62471.

PREPARED BY: Jack Ellis
Program Manager
Division of Fish and Wildlife Resources

APPROVED BY: Dick Rogers
Resource Analyst
Division of Fish and Wildlife Resources

**Illinois Department of Conservation
Hunting Survey
1980-81 Season**

No 8836

1. Did you hunt in any state or country other than Illinois in 1980? YES ☐ NO ☐
2. What is your favorite kind of game to hunt? (list one) _____
3. Did you hunt any of the game listed below in Illinois during the 1980-81 season? YES ☐ NO ☐

PLEASE FILL IN ALL THREE BLANKS FOR EACH KIND OF GAME YOU HUNTED:

	Number killed during season	County where you hunted most for each kind of game	Number of days hunted
RABBITS	_____	_____	_____
FOX SQUIRRELS ...	_____	_____	_____
GRAY SQUIRRELS..	_____	_____	_____
QUAIL	_____	_____	_____
PHEASANT	_____	_____	_____
HUN. PARTRIDGE ..	_____	_____	_____
DOVE	_____	_____	_____
WOODCOCK	_____	_____	_____
(NOT Groundhog or Woodchuck)			
COOTS (Mud Hens) ..	_____	_____	_____
DUCKS	_____	_____	_____
GEESE	_____	_____	_____
RACCOON	_____	_____	_____
RED FOX	_____	_____	_____
GRAY FOX	_____	_____	_____
COYOTE	_____	_____	_____
FOX or COYOTE CHASING WITH DOGS FOR SPORT ONLY AND NOT TO KILL:	_____	_____	_____

THANK YOU FOR YOUR COOPERATION!!!
POSTAGE IS PREPAID

INSTRUCTIONS

Please fill in the form on the left side of this card for the 1980-81 Illinois Hunting season. If you did not hunt any of the game listed in Illinois, check the first three questions and return the card.

REPORT ONLY YOUR KILL. DO NOT report the kill of others with whom you may have hunted.

Do NOT report game killed or days hunted on shooting areas or preserves where a fee is charged for game taken.

Fill in the number of days on which you hunted each kind of game listed including your unsuccessful days. Combine the number of days you hunted gray and fox squirrels. If you hunted for more than one kind of game on a particular day, count it a day for EACH kind of game you hunted.

If you can't remember the exact figures, give your best estimate.

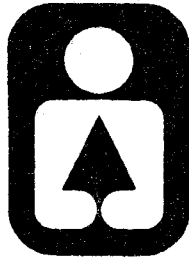
Fill in only the blanks that apply to you. Leave all other blanks unmarked.

Your comments are welcomed, but please send them in a separate letter to receive proper attention.

**TEAR OFF AND MAIL ANSWERS
POSTAGE IS PREPAID**

Fig. 1. The questionnaire card used in the 1980 hunter harvest survey.

Illinois



Department of Conservation

life and land together

605 WM. G. STRATTON BUILDING • 400 SOUTH SPRING STREET • SPRINGFIELD 62706

CHICAGO OFFICE - ROOM 100, 160 NO. LASALLE 60601

David Kenney, Director • James C. Helfrich, Assistant Director

Dear Fellow Sportsman:

You are one of a select group of Illinoisans asked to furnish information on your hunting activities during the past 1980-81 hunting season.

The information supplied by you and other selected hunters is vital to the management of our game resources; (1) to safeguard game populations, (2) to grant maximum hunting opportunity to license holders and (3) to maintain an attractive level of hunter success.

The information you provide is used to better understand the welfare of the various game populations. These statistics include distribution of total harvests, number of hunters and hunting success.

Your reply is very important, even if you did not hunt or were not successful. Only a limited number of hunters can be contacted, therefore, your response is urgently needed.

Please take just a minute and fill out the parts of the questionnaire that apply to you. If you do not remember exact figures, please give your best estimates. Drop the completed questionnaire in the mail; no postage is required.

Yours for better hunting.

Sincerely,

Thixton B. Miller, Chief
Division of Wildlife Resources

Enclosure

Fig. 2. The cover sent with initial mailing of questionnaire cards in 1980 hunter harvest survey.



606 WM. G. STRATTON BUILDING • 400 SOUTH SPRING STREET • SPRINGFIELD 62706
CHICAGO OFFICE - ROOM 100, 160 NO. LASALLE 60601
David Kenney, Director • James C. Helfrich, Assistant Director

Dear Fellow Sportsman:

Recently we mailed you a Hunting Questionnaire Card and requested that you fill out and return the completed form. We have not received your form at this time -- perhaps because you have misplaced the questionnaire or haven't found time to complete it and return it to us.

We are enclosing another questionnaire which we hope you will complete and return as soon as possible. If you have already returned a questionnaire, please destroy this one. The information supplied by you and other hunters being sampled will be of great value to the Conservation Department in better directing the management of Illinois' game resources.

Please fill out the form completely and return it even if you did not hunt, or were not successful.

No postage is required in returning the completed questionnaire. Your prompt attention will be sincerely appreciated.

Thank you.

Sincerely,

A handwritten signature in dark ink, reading 'Thixton B. Miller'. The signature is fluid and cursive, with the first name 'Thixton' being more prominent.

Thixton B. Miller, Chief
Division of Wildlife Resources

Enclosure

2

Fig. 3. The cover letter to non-respondents to initial mailing in 1980 hunter harvest survey.



605 WM. G. STRATTON BUILDING • 400 SOUTH SPRING STREET • SPRINGFIELD 62706
CHICAGO OFFICE — ROOM 100, 180 NO. LASALLE 60601
David Kenney, Director • James C. Helfrich, Assistant Director

Dear Fellow Sportsman:

This letter is to remind you that we still would like to receive a report of your hunting activity for the 1980 season. We don't like to keep bothering you, but this information is very important which only you can supply.

Another copy of the questionnaire is enclosed. We hope you will complete it and return it as soon as possible. If you have already returned a questionnaire card, please destroy this one. Your response is needed -- even though you did not hunt or had an unsuccessful season.

No postage is required to return the card. Just fill it out and drop it in the mail. Please help us complete this survey by sending it in now. Your prompt attention will be greatly appreciated.

Thank you.

Sincerely,

A handwritten signature in black ink that reads "Thixton B. Miller". The signature is written in a cursive, flowing style.

Thixton B. Miller, Chief
Division of Wildlife Resources

Enclosure

Fig. 4. The cover letter sent to non-respondents to previous two mailings in 1980 hunter harvest survey.

WESTERN
PRATITE-
FOREST
(5,568)

**CENTRAL SAND
PRATITE
(1,601)**

SOUTHERN
PLAIN
(9,161)

MISSISSIPPI
BORDER - SOUTH
(5,280)

NORTHEAST
MORAINE
(3,194)

GRAND PRAIRIE
(20,320)

WABASH
BORDER
(2,608)

SHAWNEE
HILLS
(2,014)

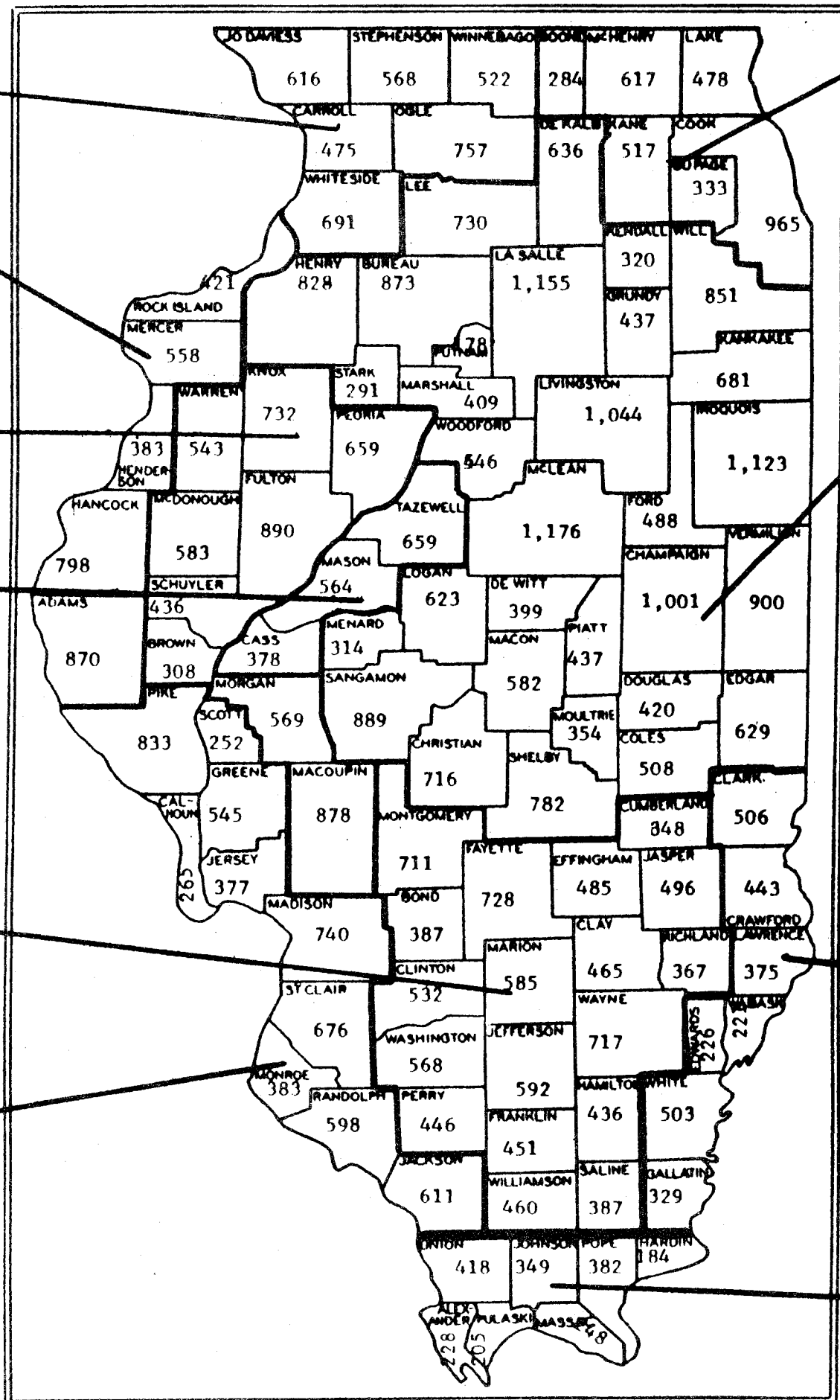
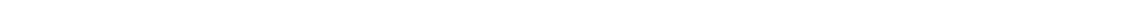


Fig. 5.  14 (54729-4-62)
Wildlife management units in Illinois. The size (square miles) is in parentheses

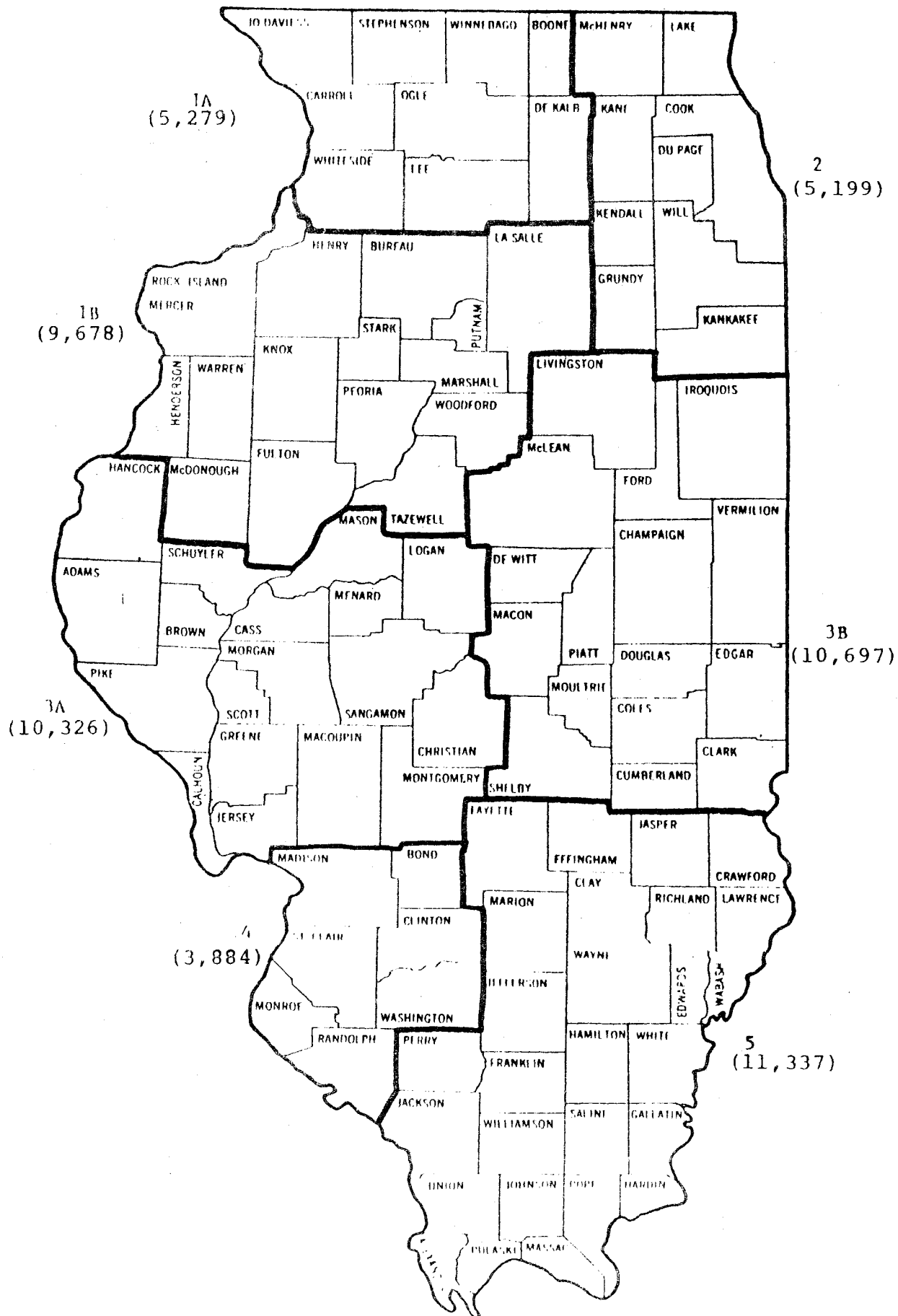


Fig. 6. Administrative regions in Illinois. The numbers in parenthesis are square miles.

Table 1. Illinois' hunting for migratory and small game, 1980-81.

Species	Zone	Season Duration	Limit	
			Daily	Possession
Rabbits	Statewide	Nov. 8-Dec.31	4	8
Squirrel	North	Sept.1-Nov.15	5	10
	South	Aug. 1-Nov.15	5	10
Bobwhite	Statewide	Nov. 8-Dec.31	6	12
Pheasant	Statewide	Nov. 8-Dec.31	2	4
Gray Partridge	Statewide	Nov. 8-Dec.31	2	4
Dove	Statewide	Sept.1-Nov. 9	12	24
Woodcock	Statewide	Oct.15-Dec.18	5	10
Coots	(see Ducks)		15	30
Ducks	North	Oct.14-Dec. 2	Point System	
	Central	Oct.23-Dec.11		
	South	Oct.30-Dec.18		
Geese	North	Oct.14-Dec.22	Varied by Species	
	Central	Oct.23-Dec.31		
	South	Oct.30-Dec.31		
Raccoon	North	Nov.15-Jan.13	None	None
	South	Nov.25-Jan.23		
Fox	Statewide	Nov.30-Jan.31	None	None

Table 2. Response to the question of "what is your favorite kind of game to hunt?"

	Number	Percent
1. Pheasants	793	21.7
2. Deer	722	19.7
3. Rabbits	563	15.4
4. Squirrels	393	10.7
5. Quail	308	8.4
6. Ducks	288	7.9
7. Raccoon	145	4.0
8. Geese	92	2.5
9. Doves	62	1.7
10. Waterfowl	50	1.4
11. Coyote	29	0.8
12. Upland Game	20	0.5
13. Foxes	16	0.4
14. Ground Hogs	8	0.2
Turkey	8	0.2
16. Elk	6	0.2
17. Grouse	4	0.1
18. Bear	3	< 0.1
19. Woodcock	2	< 0.1
Fox chasing	2	< 0.1
Antelope	2	< 0.1
Varmints	2	< 0.1
23. Moose	1	< 0.1
Gray Partridge	1	< 0.1
Unknown	<u>137</u>	<u>3.7</u>
TOTALS	3,657	99.5

Table 3. Summary of statewide data from hunter harvest survey, 1980 season (N = 3,657).

Species	Est. Hunters	%Lic. Sales	Average Daily	Bag Season	Total Harvest	Days Afield Average	Total
Rabbits	181,661	54.64	0.93	5.03	913,756	5.38	978,042
Fox Squirrels	125,835	37.84	1.11	7.94	999,133	7.17	901,848
Gray Squirrels	78,556	23.62	0.76	6.05	475,265	7.98	626,902
Bobwhites	89,012	26.77	1.21	7.04	626,646	5.83	519,161
Pheasants	117,834	35.44	0.44	2.36	278,089	5.41	637,631
Gray Partridge	3,637	1.09	0.22	1.08	3,928	4.95	18,003
Mourning Dove	67,827	20.40	2.90	15.73	1,066,926	5.43	368,139
Woodcock	15,366	4.62	0.56	2.66	40,874	4.75	73,011
Coots	5,455	1.64	0.46	3.52	19,203	7.58	41,367
Ducks	61,463	18.48	1.02	9.25	568,532	9.07	557,622
Geese	32,004	9.62	0.36	2.66	85,132	7.38	236,120
Raccoon	43,460	13.07	0.86	9.01	391,579	10.49	455,875
Red Fox	17,912	5.39	0.14	0.86	15,404	6.25	111,927
Gray Fox	10,092	3.04	0.20	1.39	14,028	6.85	69,098
Coyote	27,186	8.18	0.22	1.72	46,759	7.84	213,033
Canid chasers	3,546	1.07	---	----	-----	19.28	68,374

Table 4. Estimated number of licensed resident hunters, average season bag and total harvest by species in Illinois, 1980 (n = 3,657)

Species	Estimated Number of Hunters	Estimated Average Season Bag	Estimated Total Harvest
Rabbits	181,661 \pm 5,475 ^a	5.03 \pm 0.12 ^a	913,756 \pm 27,493 ^a
Fox Squirrels	125,835 \pm 5,331	7.94 \pm 0.21	999,133 \pm 42,376
Gray Squirrels	78,556 \pm 4,675	6.05 \pm 0.21	475,265 \pm 27,492
Bobwhites	89,012 \pm 4,671	7.04 \pm 0.23	626,646 \pm 34,298
Pheasant	117,834 \pm 5,260	2.36 \pm 0.10	278,089 \pm 12,441
Gray Partridge	3,637 \pm 1,144	1.08 \pm 0.45	3,928 \pm 1,253
Mourning Dove	67,827 \pm 4,431	15.73 \pm 0.34	1,066,926 \pm 69,699
Woodcock	15,366 \pm 2,309	2.66 \pm 0.29	40,874 \pm 6,142
Coots	5,455 \pm 1,397	3.52 \pm 0.51	19,203 \pm 4,926
Ducks	61,463 \pm 4,269	9.25 \pm 0.28	568,532 \pm 39,490
Geese	32,004 \pm 3,243	2.66 \pm 0.23	85,132 \pm 8,652
Raccoons	43,460 \pm 3,706	9.01 \pm 0.34	391,579 \pm 33,391
Red Fox	17,912 \pm 2,483	0.86 \pm 0.19	15,404 \pm 2,144
Gray Fox	10,092 \pm 1,886	1.39 \pm 0.33	14,028 \pm 2,641
Coyote	27,186 \pm 3,013	1.72 \pm 0.22	46,759 \pm 5,204
Canid chasers	3,546 \pm 1,130	- - - - -	- - - - -

^a95% Confidence Interval

Table 4. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Rabbits (1,998)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	10,365	5.70	0.56	2.71	28,089	50,552
Northeast Moraine	10,729	5.90	0.50	1.87	30,791	61,646
Mississippi Border-North	10,910	6.01	1.15	5.38	58,699	51,186
Mississippi Border-South	24,367	13.41	1.18	6.64	161,797	136,928
Western Prairie Forest	15,911	8.76	1.31	6.03	95,946	73,191
Central Sand Prairie	6,455	3.55	0.74	3.56	22,981	31,002
Grand Prairie	57,190	31.48	0.61	3.33	190,441	310,226
Southern Plain	30,459	16.77	1.24	7.19	218,998	176,117
Wabash Border	6,728	3.70	1.22	7.68	51,672	42,459
Shawnee Hills	4,910	2.70	1.26	8.19	40,211	32,006
Unknown	3,637	2.00	1.08	3.78	13,747	12,730

Table 5. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Fox Squirrels (1,384)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	8,638	6.86	1.07	6.28	54,244	50,555
Northeast Moraine	3,273	2.60	0.64	3.89	12,733	19,911
Mississippi Border-North	8,547	6.79	1.30	7.65	65,382	50,191
Mississippi Border-South	23,003	18.28	1.11	8.87	204,038	184,115
Western Prairie Forest	11,820	9.39	1.66	10.58	125,053	75,193
Central Sand Prairie	5,364	4.26	1.33	8.14	43,666	32,820
Grand Prairie	32,277	25.65	1.05	6.80	219,484	208,300
Southern Plain	20,639	16.40	0.79	6.85	141,378	178,296
Wabash Border	6,001	4.77	1.72	16.82	100,934	58,555
Shawnee Hills	4,273	3.40	0.48	3.70	15,811	32,638
Unknown	2,000	1.59	1.50	8.45	16,902	11,273

Table 6. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Gray Squirrels (864)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	4,455	5.67	0.66	4.20	18,712	28,457
Northeast Moraine	3,182	4.05	0.59	3.71	11,806	20,092
Mississippi Border-North	4,637	5.90	0.46	3.27	15,163	33,004
Mississippi Border-South	17,093	21.76	0.82	7.18	122,730	149,109
Western Prairie Forest	4,091	5.21	0.71	5.07	20,744	29,182
Central Sand Prairie	1,909	2.43	0.48	3.14	5,995	12,545
Grand Prairie	13,002	16.55	0.42	2.74	35,625	83,649
Southern Plain	18,639	23.73	0.93	8.42	156,940	171,751
Wabash Border	5,001	6.36	0.85	9.51	47,556	55,644
Shawnee Hills	5,092	6.48	1.06	7.14	36,354	34,277
Unknown	1,455	1.85	0.40	2.50	3,637	9,183

Table 7. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Bobwhites (979)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	2,455	2.76	0.52	2.78	6,825	13,002
Northeast Moraine	1,273	1.43	0.48	2.07	2,635	5,455
Mississippi Border-North	6,274	7.05	0.92	4.81	30,178	32,825
Mississippi Border-South	13,184	14.81	1.30	6.51	85,825	65,827
Western Prairie Forest	7,637	8.58	0.90	3.69	28,182	31,277
Central Sand Prairie	3,639	4.08	0.66	3.63	13,202	19,912
Grand Prairie	19,548	21.96	0.50	2.62	51,216	102,287
Southern Plain	24,822	27.88	1.65	12.16	301,830	183,298
Wabash Border	5,182	5.82	1.45	11.02	57,111	39,460
Shawnee Hills	3,364	3.78	2.05	13.46	45,281	22,094
Unknown	1,636	1.84	1.19	2.72	4,452	3,728

Table 8. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Pheasants (1,296)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	12,183	10.34	0.44	2.40	29,240	65,827
Northeast Moraine	17,821	15.12	0.48	2.97	52,927	109,378
Mississippi Border-North	2,546	2.16	0.28	1.89	4,812	17,457
Mississippi Border-South	455	0.38	1.62	8.40	3,819	2,364
Western Prairie Forest	2,909	2.47	0.42	1.34	3,899	9,183
Central Sand Prairie	6,455	5.48	0.11	3.18	20,528	36,641
Grand Prairie	66,191	56.17	0.40	2.12	140,325	346,749
Southern Plain	4,273	3.62	0.35	2.23	9,529	27,004
Wabash Border	455	0.38	0.21	1.00	455	2,182
Shawnee Hills	0	0	0	0	0	0
Unknown	4,546	3.86	0.57	2.80	12,729	22,276

Table 9. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Gray Partridge (40)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	909	25.00	0.13	0.50	455	3,546
Northeast Moraine	818	22.50	0.27	1.89	1,546	5,637
Mississippi Border-North	0	0	0	0	0	0
Mississippi Border-South	0	0	0	0	0	0
Western Prairie Forest	91	2.50	3.00	3.00	273	91
Central Sand Prairie	91	2.50	0.00	0.00	0	182
Grand Prairie	1,364	37.50	0.11	0.53	723	6,274
Southern Plain	91	2.50	0.00	0.00	0	637
Wabash Border	0	0	0	0	0	0
Shawnee Hills	0	0	0	0	0	0
Unknown	273	7.50	0.56	3.33	908	1,636

Table 10. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Doves (746)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	1,182	1.74	3.32	10.46	12,364	3,728
Northeast Moraine	4,819	7.10	1.99	8.98	43,273	21,730
Mississippi Border-North	3,819	5.63	2.82	13.38	51,094	18,093
Mississippi Border-South	9,274	13.67	0.90	20.82	193,084	56,644
Western Prairie Forest	5,910	8.71	2.54	11.17	66,014	26,004
Central Sand Prairie	3,819	5.63	2.81	15.24	58,197	20,730
Grand Prairie	18,366	27.08	2.46	11.32	207,905	84,648
Southern Plain	14,456	21.31	2.84	17.49	252,844	88,921
Wabash Border	2,455	3.62	4.12	39.81	97,729	23,730
Shawnee Hills	2,091	3.08	2.99	22.39	46,822	15,638
Unknown	1,636	2.41	4.52	22.83	37,363	8,271

Table 11. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Woodcock (169)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	0	0	0	0	0	0
Northeast Moraine	1,182	7.69	0.51	1.54	1,820	3,546
Mississippi Border-North	273	1.78	1.28	3.00	818	636
Mississippi Border-South	1,455	9.47	0.24	1.94	2,822	11,547
Western Prairie Forest	1,091	7.10	1.47	3.67	4,004	2,728
Central Sand Prairie	1,818	11.83	0.87	2.95	5,364	6,183
Grand Prairie	4,546	29.58	0.57	2.62	11,911	20,730
Southern Plain	3,546	23.08	0.38	2.15	7,624	20,184
Wabash Border	727	4.73	0.86	5.88	4,277	5,001
Shawnee Hills	546	3.55	0.66	2.33	1,271	1,909
Unknown	182	1.18	1.66	5.00	909	546

Table 12. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Coots (60)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	546	10.01	0.09	1.33	726	7,735
Northeast Moraine	1,091	20.00	0.47	3.17	3,459	7,365
Mississippi Border-North	455	8.34	0.16	2.80	1,273	8,099
Mississippi Border-South	1,000	18.33	0.52	3.91	3,910	7,546
Western Prairie Forest	273	5.00	0.26	2.00	546	2,091
Central Sand Prairie	546	10.00	1.30	7.16	3,906	3,000
Grand Prairie	909	16.67	0.56	2.30	2,091	3,728
Southern Plain	364	6.67	1.08	3.25	1,182	1,091
Wabash Border	182	3.33	3.40	8.50	1,546	456
Shawnee Hills	91	1.67	2.00	6.00	546	273
Unknown	0	0	0	0	0	0

Table 13. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Ducks (676)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	4,000	6.51	1.10	11.50	46,006	42,000
Northeast Moraine	8,728	14.20	0.80	4.24	37,009	57,371
Mississippi Border-North	5,819	9.47	0.80	12.47	72,563	90,740
Mississippi Border-South	10,546	17.16	1.37	12.75	134,473	97,922
Western Prairie Forest	3,728	6.06	1.16	10.29	38,359	33,006
Central Sand Prairie	4,455	7.25	1.32	11.71	52,170	39,551
Grand Prairie	13,002	21.15	1.08	7.97	103,624	96,013
Southern Plain	7,001	11.39	0.84	7.91	55,378	65,646
Wabash Border	1,000	1.63	1.51	8.09	8,091	5,364
Shawnee Hills	1,364	2.22	0.68	4.73	6,451	9,456
Unknown	1,818	2.96	0.70	7.95	14,456	20,548

Table 15. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Raccoons (478)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	3,000	6.90	0.52	3.67	11,012	21,094
Northeast Moraine	1,728	3.97	1.11	6.21	10,728	9,910
Mississippi Border-North	4,637	10.67	0.69	6.92	32,088	46,370
Mississippi Border-South	5,455	12.55	0.86	10.37	56,571	65,554
Western Prairie Forest	6,092	14.02	0.90	8.34	50,805	56,371
Central Sand Prairie	909	2.09	0.77	7.20	6,546	8,456
Grand Prairie	10,092	23.22	0.95	9.82	99,106	104,752
Southern Plain	6,637	15.27	0.90	10.68	70,886	79,011
Wabash Border	2,728	6.28	0.77	10.73	29,268	38,460
Shawnee Hills	1,455	3.35	0.71	7.50	10,910	15,275
Unknown	727	1.67	1.26	18.50	13,456	10,638

Table 16. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Red Fox (197)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	1,818	10.15	0.12	0.60	1,091	8,817
Northeast Moraine	1,273	7.11	0.19	0.71	904	4,637
Mississippi Border-North	1,000	5.58	0.14	0.91	910	6,274
Mississippi Border-South	2,455	13.70	0.08	0.59	1,448	18,366
Western Prairie Forest	1,546	8.63	0.18	0.59	912	5,182
Central Sand Prairie	727	4.06	0.08	0.75	546	6,819
Grand Prairie	6,274	35.02	0.11	0.74	4,642	41,460
Southern Plain	1,364	7.61	0.55	1.27	1,732	8,456
Wabash Border	727	4.06	0.51	3.25	2,364	4,607
Shawnee Hills	364	2.03	0.55	1.50	546	4,273
Unknown	364	2.03	0.11	0.75	273	2,455

Table 17. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Gray Fox (111)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	546	5.40	0.04	0.17	93	2,182
Northeast Moraine	455	4.50	0.17	0.80	364	2,182
Mississippi Border-North	636	6.31	0.08	0.43	274	3,364
Mississippi Border-South	2,000	19.82	0.19	1.05	2,100	11,092
Western Prairie Forest	546	5.40	0.07	0.33	180	2,457
Central Sand Prairie	91	0.90	0.07	1.00	91	1,365
Grand Prairie	2,637	26.13	0.06	0.59	1,556	25,642
Southern Plain	1,636	16.21	0.46	2.22	3,633	7,816
Wabash Border	1,091	10.81	0.47	4.08	4,452	9,547
Shawnee Hills	455	4.50	0.37	2.80	1,273	3,455
Unknown	0	0	0	0	0	0

Table 18. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Coyote (299)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	1,364	5.02	0.09	0.53	723	8,001
Northeast Moraine	273	1.00	0.03	0.33	90	3,364
Mississippi Border-North	3,819	14.05	0.21	1.38	5,270	24,732
Mississippi Border-South	4,182	15.38	0.13	1.30	5,437	40,278
Western Prairie Forest	4,182	15.38	0.41	2.22	9,285	22,639
Central Sand Prairie	636	2.34	0.25	6.43	4,092	16,184
Grand Prairie	5,182	19.06	0.12	0.96	4,975	39,551
Southern Plain	4,364	16.05	0.25	1.44	6,284	24,822
Wabash Border	1,818	6.69	0.29	3.30	6,001	20,730
Shawnee Hills	1,273	4.68	0.40	3.43	4,366	10,910
Unknown	91	0.33	0.15	3.00	273	1,818

Table 19. Summary of hunting effort and success in wildlife management units in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Canid Chasers (39)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Northwest Hills	91	2.56	- -	- - -	- - - -	91
Northeast Moraine	182	5.13	- -	- - -	- - - -	2,002
Mississippi Border-North	182	5.13	- -	- - -	- - - -	2,821
Mississippi Border-South	909	25.64	- -	- - -	- - - -	15,271
Western Prairie Forest	546	15.40	- -	- - -	- - - -	8,092
Central Sand Prairie	0	0	- -	- - -	- - - -	0
Grand Prairie	455	12.82	- -	- - -	- - - -	4,728
Southern Plain	909	25.64	- -	- - -	- - - -	23,094
Wabash Border	91	2.56	- -	- - -	- - - -	3,640
Shawnee Hills	91	2.56	- -	- - -	- - - -	8,190
Unknown	91	2.56	- -	- - -	- - - -	455

Table 20. Percentage changes in harvests among various wildlife management units from 1979 to 1980.

Wildlife Management Unit	Rabbits	Fox Squirrel	Gray Squirrel	Quail	Pheasant	Dove	Raccoon	Red Fox	Gray Fox	Coyote
Northwest Hills	- 50	- 31	- 24	- 56	+ 18	- 22	- 76	+ 21	- 84	+ 546
Northeast Moraine	+ 12	- 8	- 54	- 45	+ 22	- 41	+155	- 50	- -	- -
Mississippi Border-North	+ 49	- 4	+ 21	+ 83	+ 183	+ 11	- 47	+100	+ 145	+ 188
Mississippi Border-South	+ 50	+ 40	- 12	+ 4	+1023	+1436	+ 5	- 53	+ 105	+ 77
Western Prairie Forest	+120	+ 55	+ 41	+ 97	+ 4	+ 9	- 24	- 62	- 60	+ 43
Central Sand Prairie	+135	+218	+277	+ 482	+ 76	+ 21	+ 18	+139	- 19	+1104
Grand Prairie	+ 43	+ 27	- 8	+ 107	+ 25	+ 1	- 16	- 40	- 32	+ 238
Southern Plain	+ 62	- 13	+ 27	+ 72	+ 40	+ 48	+ 6	- 27	+ 3	+ 26
Wabash Border	+ 29	+ 85	+ 21	+ 130	- 50	+ 174	- 2	+595	+ 461	+1655
Shawnee Hills	+251	- 43	- 29	+ 125	0	+ 125	+ 37	+379	+1026	+ 663
State	+ 46	+ 48	- 4	+ 60	+ 28	+ 30	- 16	- 23	+ 54	+ 127

Table 21. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Rabbits (1998)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	14,183	7.81	0.57	2.79	39,573	69,191
Region 1B	24,185	13.31	0.75	4.18	101,094	134,382
Region 2	22,458	12.36	0.50	2.87	64,453	128,927
Region 3A	36,096	19.87	1.16	5.99	216,214	186,390
Region 3B	27,913	15.36	0.67	3.37	94,066	141,110
Region 4	16,548	9.11	1.14	5.64	93,329	82,102
Region 5	36,641	20.17	1.30	7.93	290,566	223,212
Unknown	3,637	2.00	1.08	3.78	13,747	12,730

Table 22. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Fox Squirrels (1,384)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	11,183	8.89	1.08	6.28	70,231	64,918
Region 1B	17,639	14.02	1.16	7.80	137,582	118,834
Region 2	7,910	6.29	0.75	3.95	31,245	41,642
Region 3A	30,550	24.28	1.40	9.31	284,417	203,755
Region 3B	15,638	12.43	1.12	7.55	118,071	105,742
Region 4	13,547	10.76	0.87	7.54	102,147	116,922
Region 5	27,367	21.75	1.00	8.73	238,917	238,760
Unknown	2,000	1.59	1.50	8.45	16,902	11,273

Table 25. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Gray Squirrel (864)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	5,001	6.36	0.64	3.85	19,253	30,004
Region 1B	8,001	10.18	0.48	3.27	26,164	54,735
Region 2	5,364	6.83	0.61	3.07	16,469	26,822
Region 3A	15,275	19.44	0.70	5.65	86,303	123,199
Region 3B	6,364	8.10	0.47	3.34	21,257	45,006
Region 4	11,183	14.24	0.92	8.72	97,519	105,469
Region 5	25,913	32.99	0.88	7.90	204,710	232,486
Unknown	1,455	1.85	0.40	2.50	3,637	9,183

Table 24. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Bobwhites (979)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	3,091	3.47	0.46	2.50	7,728	16,639
Region 1B	10,456	11.75	0.45	2.73	28,545	63,827
Region 2	4,182	4.70	0.30	1.67	6,984	23,185
Region 3A	22,276	25.02	1.09	5.43	120,957	111,015
Region 3B	9,456	10.62	0.83	3.85	36,405	43,824
Region 4	8,274	9.30	1.57	7.55	62,468	39,824
Region 5	29,640	33.30	1.66	12.13	359,538	217,120
Unknown	1,636	1.84	1.19	2.72	4,452	3,728

Table 25. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Pheasants (1,296)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	17,821	15.12	0.47	2.44	43,482	92,467
Region 1B	15,820	13.42	0.33	1.84	29,109	85,558
Region 2	32,459	27.55	0.88	2.75	89,262	101,037
Region 3A	13,638	11.57	0.55	2.73	37,232	67,736
Region 3B	31,913	27.08	0.40	1.87	59,678	150,657
Region 4	273	0.23	1.73	12.67	3,456	2,000
Region 5	1,364	1.16	0.52	2.53	3,450	6,637
Unknown	4,546	3.86	0.57	2.80	12,729	22,276

Table 26. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Gray Partridge (40)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	1,364	37.50	0.23	0.87	1,186	5,092
Region 1B	727	20.00	0.07	0.38	276	4,000
Region 2	909	25.00	0.26	1.70	1,546	6,001
Region 3A	182	5.00	0.0	0.0	0	818
Region 3B	182	5.00	0.0	0.0	0	455
Region 4	0	0	0	0.0	0	0
Region 5	0	0	0	0.0	0	0
Unknown	273	7.50	0.56	3.33	908	1,636

Table 27. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Doves (746)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	2,546	3.75	3.18	13.61	34,648	10,910
Region 1B	7,092	10.46	2.50	11.92	84,535	33,823
Region 2	9,183	13.54	2.06	8.69	79,801	38,642
Region 3A	14,911	21.98	2.68	14.29	213,080	79,374
Region 3B	8,728	12.87	2.28	11.43	99,766	43,733
Region 4	6,546	9.65	3.45	18.62	121,893	35,368
Region 5	17,184	25.33	3.35	23.02	395,580	118,016
Unknown	1,636	2.41	4.52	22.83	37,363	8,271

Table 28. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Woodcock (169)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	0	0	0	0	0	0
Region 1B	1,091	7.10	0.50	3.92	4,277	8,456
Region 2	2,273	14.79	0.61	2.00	4,546	7,456
Region 3A	4,182	27.22	0.45	2.52	10,540	23,458
Region 3B	2,818	18.34	0.72	2.58	7,272	10,119
Region 4	1,182	7.69	0.34	2.00	2,364	7,001
Region 5	3,637	23.67	0.57	3.00	10,910	19,275
Unknown	182	1.18	1.66	5.00	909	546

Table 29. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Coots (60)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	636	11.67	0.10	1.29	821	7,819
Region 1B	909	16.67	0.33	3.10	2,818	8,638
Region 2	1,273	23.33	0.36	2.79	3,551	9,729
Region 3A	1,148	21.67	0.58	5.62	6,454	11,130
Region 3B	265	5.00	0.60	1.00	265	442
Region 4	442	8.33	0.87	2.60	1,148	1,325
Region 5	707	13.33	2.05	5.38	3,802	1,855
Unknown	0	0.0	0.0	0.0	0	0

Table 30. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Ducks (676)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	5,300	8.88	1.10	11.13	58,991	53,620
Region 1B	9,010	15.09	1.19	12.10	109,025	91,429
Region 2	13,250	22.19	0.73	5.03	66,650	91,517
Region 3A	15,636	26.18	1.11	11.96	187,002	168,017
Region 3B	2,032	3.40	0.73	2.96	6,014	8,215
Region 4	4,063	6.80	1.13	10.24	41,610	36,748
Region 5	8,657	14.50	0.95	7.97	68,996	72,260
Unknown	1,818	2.96	0.70	7.95	14,456	20,548

Table 31. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Geese (352)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	1,855	5.96	0.14	1.81	3,358	23,321
Region 1B	2,032	6.53	0.18	2.39	4,856	27,208
Region 2	4,152	13.35	0.12	0.64	2,657	22,968
Region 3A	4,328	13.92	0.29	3.61	15,626	53,797
Region 3B	972	3.12	0.26	0.82	797	3,003
Region 4	707	2.27	0.52	3.50	2,473	4,770
Region 5	15,989	51.42	0.59	3.15	50,356	85,598
Unknown	1,091	3.41	0.31	2.58	2,815	9,001

Table 32. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Raccoon (478)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	3,622	8.58	0.57	4.49	16,262	28,709
Region 1B	8,304	19.66	0.85	8.55	70,996	83,832
Region 2	2,562	6.07	1.31	11.31	28,974	22,084
Region 3A	11,130	26.36	0.89	9.48	105,517	118,371
Region 3B	4,770	11.30	0.81	7.33	34,966	43,197
Region 4	2,562	6.07	0.95	8.90	22,802	24,118
Region 5	8,569	20.29	0.78	10.24	87,743	112,276
Unknown	727	1.67	1.26	18.50	13,456	10,638

Table 33. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Red Fox (197)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	2,728	15.23	0.13	0.67	1,828	13,638
Region 1B	4,273	23.86	0.12	0.60	2,564	20,728
Region 2	2,182	12.18	0.16	0.83	1,811	11,002
Region 3A	2,637	14.72	0.09	1.03	2,716	28,731
Region 3B	1,818	10.15	0.12	0.70	1,273	10,910
Region 4	1,455	8.12	0.03	0.13	189	5,728
Region 5	2,455	13.70	0.25	1.93	4,738	18,730
Unknown	364	2.03	0.11	0.75	273	2,455

Table 34. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Gray Fox (111)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	818	8.11	0.03	0.22	180	5,546
Region 1B	1,546	15.32	0.03	0.18	278	9,274
Region 2	546	5.40	0.16	0.67	366	2,273
Region 3A	1,273	12.61	0.19	1.93	2,457	13,184
Region 3B	1,273	12.61	0.06	0.50	636	9,729
Region 4	1,546	15.32	0.09	0.41	634	7,093
Region 5	3,091	30.63	0.43	3.06	9,459	22,003
Unknown	0	0	0	0	0	0

Table 35. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Coyote (299)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Days Afield
Region 1A	1,546	5.68	0.07	0.47	726	10,001
Region 1B	4,910	18.06	0.27	1.76	8,641	31,913
Region 2	636	2.34	0.02	0.14	89	4,546
Region 3A	8,001	29.43	0.20	1.95	15,602	78,556
Region 3B	2,909	10.70	0.17	1.28	3,724	22,094
Region 4	2,818	10.37	0.15	0.74	2,086	1,3638
Region 5	6,274	23.08	0.31	2.49	15,621	50,461
Unknown	91	0.33	0.15	3.00	273	1,818

Table 36. Summary of hunting effort and success in administrative regions in Illinois in 1980 for the species listed below. The sample size is in parenthesis.

Canid Chasing (39)

Region	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Estimated Total Day Afield
Region 1A	91	2.56	- -	- -	- -	91
Region 1B	455	12.82	- -	- -	- -	7,644
Region 2	182	5.13	- -	- -	---	2,000
Region 3A	1,000	28.20	- -	- -	- -	15,364
Region 3B	182	5.13	- -	- -	- -	2,275
Region 4	455	12.82	- -	- -	- -	5,733
Region 5	1,091	30.77	- -	- -	- -	34,821
Unknown	91	2.56	- -	- -	- -	455

Table 37. Distribution of hunting effort and success among resident Illinois hunters in 1980.

	Range	Percent Hunts	Percent Harvests
Rabbits	0	- - -	22.6
	1- 5	68.1	50.3
	6-10	21.2	14.2
	11-14	3.6	3.8
	15-19	3.4	3.1
	20-24	2.0	2.8
	≥ 25	1.7	3.2
Fox Squirrels	0	- - -	13.2
	1- 5	58.0	47.6
	6-10	23.3	18.3
	11-14	5.0	4.8
	15-19	5.1	5.9
	20-24	4.2	3.8
	≥ 25	4.4	6.4
Gray Squirrels	0	- - -	20.0
	1- 5	53.1	47.8
	6-10	24.8	15.2
	11-14	6.0	3.8
	15-19	5.9	4.7
	20-24	4.6	3.0
	≥ 25	5.6	4.6
Quail	0	- - -	28.5
	1- 5	67.1	40.4
	6-10	19.5	13.7
	11-14	4.3	4.0
	15-19	4.1	3.0
	20-24	2.9	3.8
	≥ 25	2.1	6.6

Table 37 - continued

	Range	Percent Hunts	Percent Harvests
Pheasants	0	- - -	33.7
	1- 5	67.4	54.5
	6-10	20.3	7.7
	11-14	4.6	1.9
	15-19	3.8	1.2
	20-24	2.5	0.6
	\geq 25	1.4	0.4
Gray Partridge	0	- - -	65.0
	1- 5	67.5	37.5
	6-10	25.0	7.5
	11-14	5.0	0.0
	15-19	2.5	0.0
	20-24	0.0	0.0
	\geq 25	0.0	0.0
Dove	0	- - -	10.3
	1- 5	60.6	29.8
	6-10	18.6	16.5
	11-14	2.6	8.6
	15-19	2.7	6.7
	20-24	3.1	8.0
	\geq 25	12.4	20.1
Woodcock	0	- - -	13.0
	1- 5	80.0	77.5
	6-10	13.0	5.9
	11-14	1.2	1.8
	15-19	1.2	0.0
	20-24	1.8	1.2
	\geq 25	2.8	0.6
Coots	0	- - -	11.7
	1- 5	61.2	68.3
	6-10	15.0	15.0
	11-14	1.7	0.0
	15-19	6.7	3.3
	20-24	8.3	1.7
	\geq 25	7.1	0.0
Ducks	0	- - -	16.7
	1- 5	48.2	38.6
	6-10	25.8	16.4
	11-14	7.0	7.6
	15-19	6.8	5.2
	20-24	6.8	6.2
	\geq 25	5.4	9.3

Table 37-continued

	Range	Percent Hunts	Percent Harvests
Geese	0	- - -	37.8
	1- 5	60.5	48.0
	6-10	20.2	9.4
	11-14	3.7	1.7
	15-19	4.0	1.7
	20-24	5.1	0.6
	≥ 25	6.5	0.8
Raccoons	0	- - -	16.1
	1- 5	49.6	44.6
	6-10	15.1	16.7
	11-14	5.2	4.4
	15-19	7.7	3.8
	20-24	10.5	4.0
	≥ 25	11.9	10.4
Red Fox	0	- - -	52.3
	1- 5	71.1	45.7
	6-10	13.7	1.5
	11-14	2.6	0.0
	15-19	3.6	0.0
	20-24	4.6	0.5
	≥ 25	4.4	0.0
Gray Fox	0	- - -	53.2
	1- 5	62.2	40.5
	6-10	19.8	3.6
	11-14	2.7	0.9
	15-19	6.3	0.0
	20-24	5.4	1.8
	≥ 25	3.6	0.0
Coyote	0	- - -	46.2
	1- 5	63.2	47.1
	6-10	15.1	3.0
	11-14	2.7	1.3
	15-19	6.4	1.7
	20-24	4.3	0.0
	≥ 25	8.0	0.7
Canid chasers	0	- - -	- - -
	1- 5	25.6	- - -
	6-10	28.2	- - -
	11-14	0.0	- - -
	15-19	20.5	- - -
	20-24	5.1	- - -
	≥ 25	21.6	- - -

Table 38. Statewide data from resident Illinois hunters for years 1974-80.

Species and Seasons	Estimated		Average		Estimated		Average		Estimated	
	Total	Hunters	Daily	Season	Total	Harvest	Days	Afield	Total	Days
Rabbits										
1974	259,428		1.07	5.66	1,468,360		5.30		1,374,427	
1975	266,385		1.12	6.85	1,824,738		6.13		1,632,940	
1976	304,884		1.06	7.11	2,167,725		6.73		2,051,869	
1977	281,254		0.98	6.83	1,920,964		6.99		1,966,402	
1978	228,891		0.90	5.53	1,266,483		6.11		1,399,197	
1979	177,285		0.63	3.54	627,589		5.60		992,660	
1980	181,661		0.93	5.03	913,756		5.38		978,042	
Fox Squirrel										
1974	205,154		1.09	6.26	1,284,267		5.73		1,175,790	
1975	173,173		1.28	8.13	1,407,896		6.35		1,100,037	
1976	177,312		1.18	9.22	1,634,817		7.78		1,379,487	
1977	176,712		1.19	8.77	1,549,764		7.38		1,303,956	
1978	160,905		1.28	9.38	1,508,698		7.30		1,174,780	
1979	126,892		1.02	6.68	847,638		6.55		831,154	
1980	125,835		1.11	7.94	999,133		7.17		901,848	
Gray Squirrel										
1974	199,001		0.58	3.33	662,674		5.72		1,139,364	
1975	137,533		0.77	4.96	682,165		6.46		888,824	
1976	93,355		0.95	8.00	746,840		8.40		784,182	
1977	117,164		0.92	6.97	816,637		7.60		890,535	
1978	102,690		0.95	7.69	789,722		8.11		833,733	
1979	81,832		0.83	6.08	497,538		7.30		597,453	
1980	78,556		0.76	6.05	475,265		7.98		626,902	
Bobwhite										
1974	140,913		0.61	7.68	1,107,576		4.80		676,259	
1975	139,018		1.63	10.39	1,444,400		6.36		884,154	
1976	159,570		1.43	9.28	1,480,810		6.51		1,038,801	
1977	136,023		1.22	7.98	1,087,115		6.52		887,565	
1978	107,474		1.08	6.24	671,099		5.79		622,454	
1979	84,670		0.85	4.64	392,869		5.45		461,826	
1980	89,012		1.21	7.04	626,646		5.83		519,161	

Table 38 (continued)

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
Pheasant						
1974	173,649	0.46	2.27	394,183	4.93	856,676
1975	212,126	0.58	3.14	666,075	5.39	1,143,359
1976	198,664	0.53	3.23	641,685	6.11	1,213,837
1977	179,385	0.38	2.54	455,637	6.63	1,189,771
1978	146,250	0.44	2.63	384,506	6.03	882,996
1979	117,131	0.33	1.85	216,692	5.51	645,923
1980	117,834	0.44	2.36	278,089	5.41	637,631
Gray Partridge						
1974	5,169	0.18	1.12	5,789	6.28	32,491
1975	5,826	0.11	0.76	4,428	6.61	38,510
1976	4,963	0.12	1.00	4,963	8.38	41,590
1977	6,088	0.09	1.07	6,514	11.83	72,016
1978	7,938	0.15	1.68	9,262	7.95	63,097
1979	5,107	0.12	0.89	4,546	7.51	38,359
1980	3,637	0.22	1.08	3,928	4.95	18,003
Dove						
1974	112,853	2.90	12.81	1,445,652	4.41	498,054
1975	111,032		17.20	1,909,748	5.32	591,143
1976	108,668	3.08	20.19	2,194,007	6.55	711,775
1977	98,750	2.98	16.91	1,669,862	5.68	560,425
1978	89,154	3.03	15.55	1,386,575	5.12	456,863
1979	66,397	2.48	12.38	821,994	4.99	331,190
1980	68,827	2.90	15.73	1,066,926	5.43	368,139
Woodcock						
1974	11,691	0.70	2.84	33,204	4.08	47,748
1975	13,822	0.62	2.96	40,913	4.79	66,207
1976	10,983	0.52	2.76	30,313	5.42	59,528
1977	10,989	0.33	2.20	24,175	6.66	73,210
1978	16,691	0.42	2.06	34,400	4.96	82,844
1979	12,258	0.66	2.73	33,464	4.14	50,734
1980	15,366	0.56	2.66	40,874	4.75	73,011
Coots						
1980	5,455	0.46	3.52	19,203	7.58	41,367

Table 38 (continued)

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
Ducks						
1975	67,624	1.15	10.36	700,585	9.03	610,645
1976	72,340	1.20	10.72	775,485	8.93	645,996
1977	75,734	0.99	9.17	694,480	9.27	702,098
1978	73,176	1.15	11.70	855,821	10.19	745,601
1979	62,764	1.04	10.09	633,298	9.68	607,324
1980	61,463	1.02	9.25	568,532	9.07	557,622
Geese						
1975	31,984	0.38	2.30	73,563	6.06	193,823
1976	35,483	0.39	2.52	89,417	6.42	227,801
1977	43,658	0.36	2.37	103,470	6.61	288,529
1978	42,032	0.33	2.51	105,339	7.64	321,295
1979	39,384	0.24	1.67	65,772	6.98	275,007
1980	32,004	0.36	2.66	85,132	7.38	236,120
Raccoon						
1974	40,982	1.03	8.97	367,606	8.71	357,023
1975	35,868	1.06	9.78	350,789	9.20	329,986
1976	48,473	0.80	8.33	403,780	10.48	507,997
1977	46,182	0.82	7.72	356,530	9.39	433,606
1978	52,414	0.80	8.47	444,040	10.64	194,694
1979	52,664	0.88	8.88	467,652	10.14	533,904
1980	43,460	0.86	9.01	391,579	10.49	455,875
Red Fox (Gun)						
1976	20,909	0.15	0.99	20,700	6.71	140,299
1977	26,284	0.13	1.10	28,912	8.30	218,142
1978	27,072	0.16	1.14	30,939	7.19	194,694
1979	21,111	0.14	0.95	20,005	6.52	137,676
1980	17,912	0.14	0.86	15,404	6.25	111,927
Gray Fox (Gun)						
1976	8,870	0.13	0.94	8,338	7.00	62,090
1977	10,691	0.07	0.50	5,346	6.55	149,830
1978	11,500	0.08	0.68	7,836	7.94	91,288
1979	13,052	0.09	0.70	9,137	7.68	100,217
1980	10,092	0.20	1.39	14,028	6.85	69,098

Table 38 (continued)

Species and Seasons	Estimated Total Hunters	Average		Estimated Total Harvest	Average		Estimated Total Days Afield
		Daily Bag	Season Bag		Days Afield	Total Days Afield	
Coyote							
1976	16,791	0.19	1.59	26,698	8.45	141,884	
1977	22,868	0.16	1.08	24,698	6.55	149,830	
1978	25,851	0.18	1.45	37,452	7.84	202,635	
1979	22,927	0.13	0.90	20,634	6.69	153,338	
1980	27,186	0.22	1.72	46,759	7.84	213,033	
Canid Chasers							
1976	7,181				15.53	111,521	
1977	4,603				15.13	69,639	
1978	3,664				18.94	69,412	
1979	1,929				24.35	46,977	
1980	3,546				19.28	68,374	